

Examples of Qualifying Experience:

1. Chemical laboratory work experience in testing or analyses which included such factors as evaluating the adequacy of samples and the methods and procedures for their preparation and analysis; adapting methods to samples that deviate from the normal; analyzing the cause and significance of unexpected reactions; or evaluating the validity of results on the basis of theoretical considerations. These factors must have required the use of principles of theoretical or applied chemistry and the ability to reason from them in the solution of scientific problems.
2. College-level teaching experience in chemistry courses which was accompanied by research, direction of research or investigative work in the field of chemistry.
3. Research or investigative chemistry experience which required the use of existing knowledge of chemistry to determine the course of action to solve chemistry problems.

Supervisory Experience: **For the Chemist V level, applicants must demonstrate possession of supervisory aptitude. Supervisory Aptitude is the demonstration of aptitude or potential for the performance of supervisory duties through successful completion of regular or special assignments which involve some supervisory responsibilities or aspects; by serving as a group or team leader, or in similar work in which opportunities for demonstrating supervisory capabilities exist; by completion of training courses in supervision accompanied by application of supervisory skills in work assignments; or by favorable appraisals by a supervisor indicating the possession of supervisory potential.

Quality of Experience: Possession of the required amount of experience will not in itself be accepted as proof of qualification for a position. The applicant's overall experience must have been of such scope and responsibility as to conclusively demonstrate that he has the ability to perform the duties of the position for which he is being considered. The evaluation of the applicant's performance and potentiality may be based upon information acquired through confidential inquiry of his supervisor and others familiar with the nature and quality of his work.

*For the Chemist IV and V levels, at least one year of the required Specialized Experience must have been comparable to the journeyman or the Chemist III level in the State government.

Examples of non-qualifying experience in chemistry are work characteristic of chemistry technicians that may have required a high degree of manipulative skill, care and precision; or which required recognition of unanticipated or

unusual reactions but which did not require the application of chemical theory to determine the causes or possible significance of the results or reactions.

Substitution of Education for Specialized Experience:

1. Possession of a master's degree in chemistry from an accredited college or university may be substituted for one year of the required Specialized Experience.
2. Possession of a doctor of philosophy degree in chemistry from an accredited college or university may be substituted for two years of the required Specialized Experience.

Driver's License:

For some Chemist positions, applicants may be required to have a valid State of Hawaii Operator's License.

Examinations:

For all levels, applicants must qualify on an appropriate test. Applicants for the Chemist V level must also qualify on the Supervisory Judgment Test.

For non-competitive actions, the examination may be waived except for the Supervisory Judgment Test. This test may be waived for non-competitive actions only if the incumbent had previously qualified on the test.

Selective Certification:

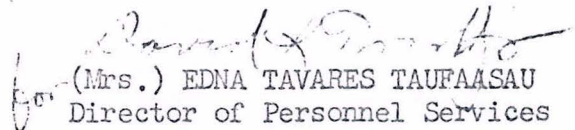
For certain positions, because of the highly specialized nature of the duties and responsibilities, certification and selection may be restricted to eligibles who possess the pertinent experience and training necessary to perform the work. Departments requesting selective certification must show the connection, in writing, between the kind of training or experience on which they wish to base selective certification and the duties of the position to be filled.

Physical Requirements:

Standard 3c.g. Applicants must be physically able to perform efficiently the duties of the position, which are described elsewhere in this specification. Good distant vision in one eye and ability to read without strain printed material the size of typewritten characters are required, glasses permitted. The duties of most positions require the ability to distinguish either basic or shades of colors; however, there may be a few positions which do not require these abilities, and applicants with defective color vision will receive consideration. Ability to smell is required. Ability to hear the conversational

voice, with or without a hearing aid, is required. In most instances, an amputation of leg or foot will not disqualify an applicant for appointment, although it may be necessary that this condition be compensated by use of satisfactory prosthesis. Applicants must possess emotional and mental stability. Any physical condition which would cause the applicant to be a hazard to himself or to others will disqualify for appointment.

APPROVED: May 28, 1969


(Mrs.) EDNA TAVARES TAUFASAU
Director of Personnel Services

HAWAII NPDES PROGRAM
FY75 STAFFING NEEDS

SOURCES

Major: 63
Minor: 70
Total : 133

FUNCTIONS:

MAN YEARS

PERMIT ISSUANCE: (5.0)

Permit Processing Supervision	1.0
Permit Preparation	2.0
Clerical Support	1.5
ADP Support	.5

MONITORING: (8.0)

Self Monitoring Report Review	1.0
Data Processing	0.5
code data sheets, forward to EPA	
Inspections w/sampling (49)	3.0
75% of majors = 42	
10% of minors = 7	
Walk-thru's (81)	1.0
25% of majors = 14	
90% of minors = 67	
Enforcement Case Preparation	1.0
Clerical Support	1.0

LABORATORY: (2.5)

Laboratory Analysis	2.5
Number of Samples (50 inspections; 2 ourfalls	
Settleable Solids (150)	ave.
Suspended Solids (150)	
BOD (100)	
Heavy Metals (50)	
Nutrients (10)	
F. Coliforms (225)	

LEGAL: (0.5)

Consultation, Training, Prosecution	0.5
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Total

15.5

NPDES EQUIPMENT LIST

2 Ea.	Composite Samplers @1,150	\$ 2,300
2 Ea	D.O. Meter w/Probes @620	1,240
1 Only	ISCO Flowmeter	650
1 Only	Hand Held Spec	525
	Miscellaneous Equipment <\$500 ea (Stop Watches, Orifice Meter, V-Notch Weirs, pH Meters & Probes, etc.)	5,285
		<hr/> \$10,000